



Wittmann Area Drainage Master Study Update



September 2003

Supervisor Max Wilson
District 4



Outline

- Purpose
- Study Process
- Significant Issues
- Schedule
- Summary





Purpose

To Identify

- Flooding Problems
- Sources of Flooding
- Flooding Hazards
- Potential Conceptual Solutions





Study Process

- **Develop Comprehensive List of Flooding and Drainage Problems**
- **Update and Delineate Floodplains**





Study Process

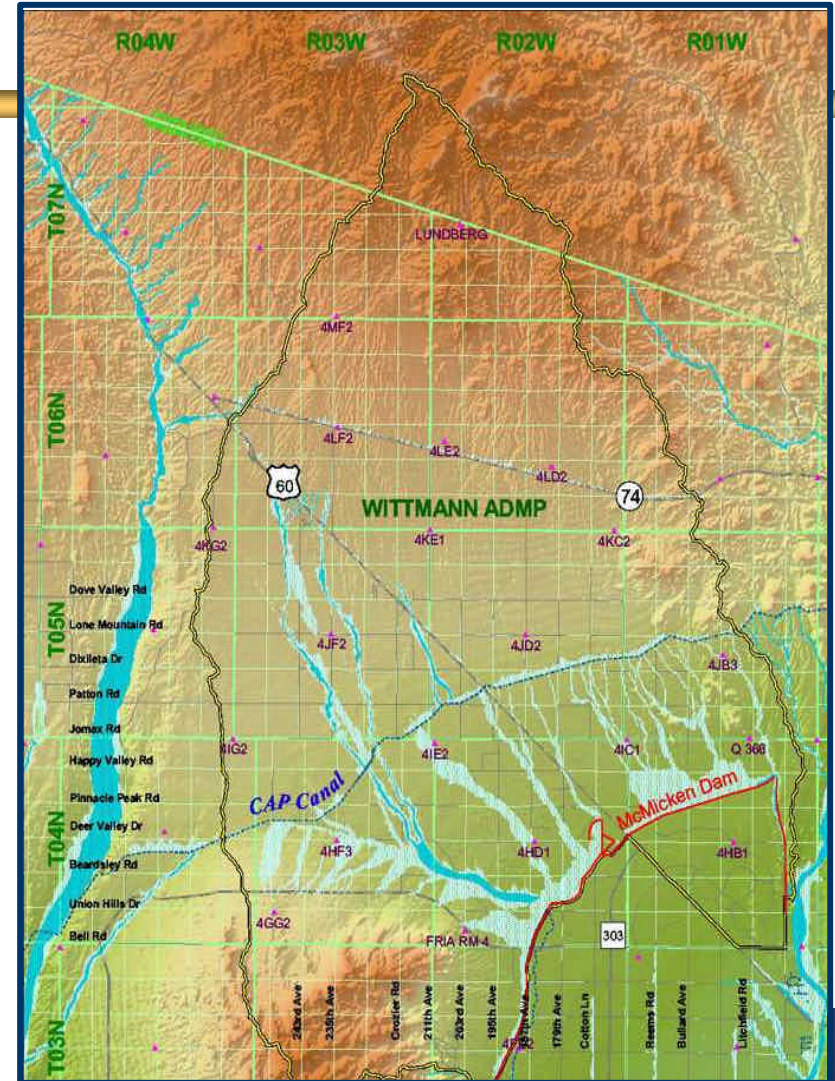
- **Develop Alternatives for McMicken Dam**
- **Prepare Interim Rules of Development**





Significant Issues

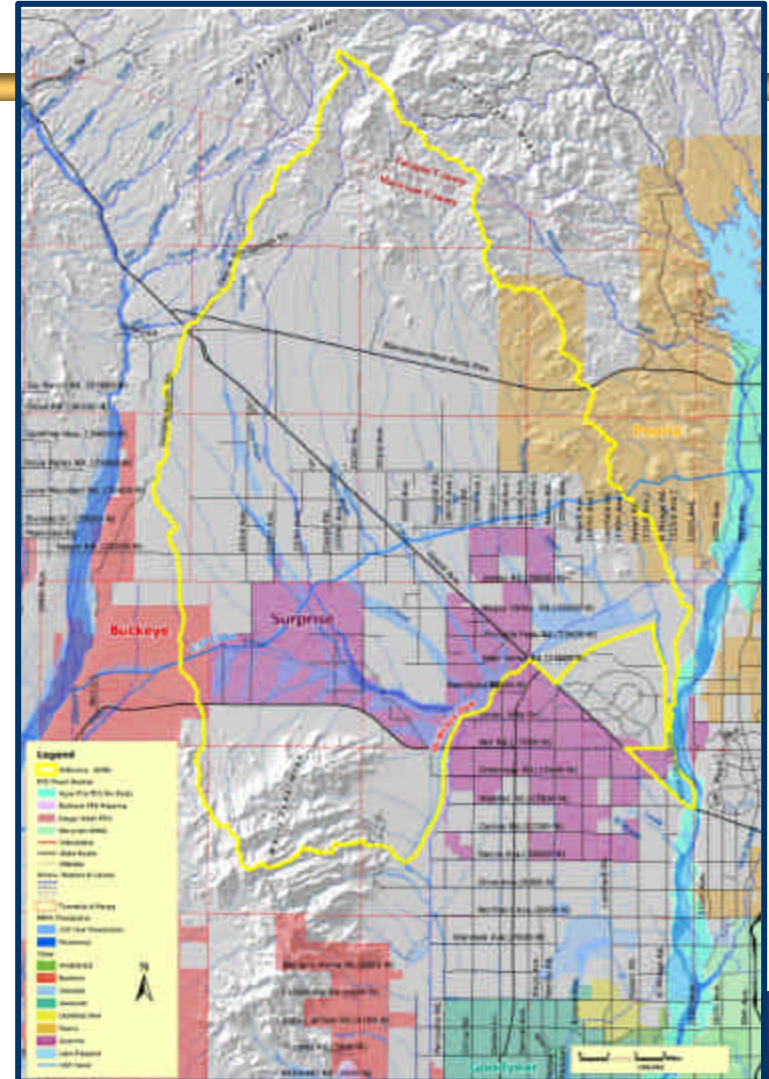
Watershed is in both
Maricopa and
Yavapai Counties





Significant Issues

**Study Area Includes 3
Municipalities and
Unincorporated County**

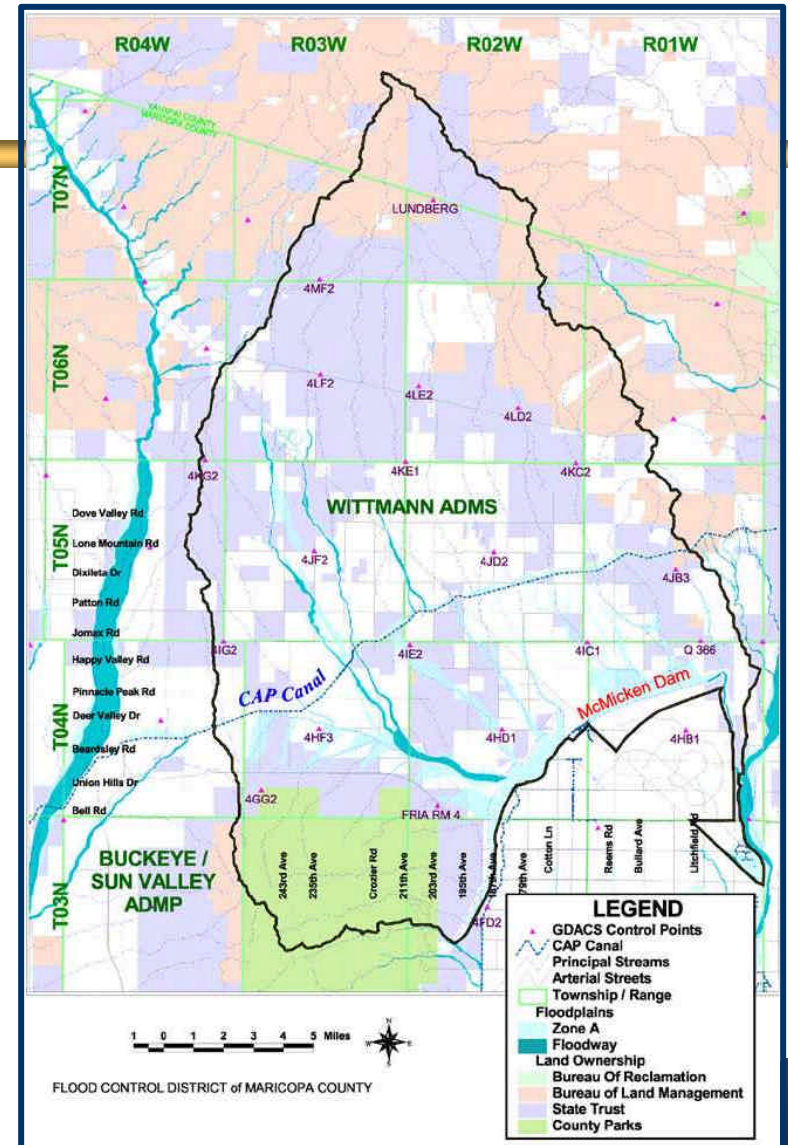




Significant Issues

Diverse Land Ownership

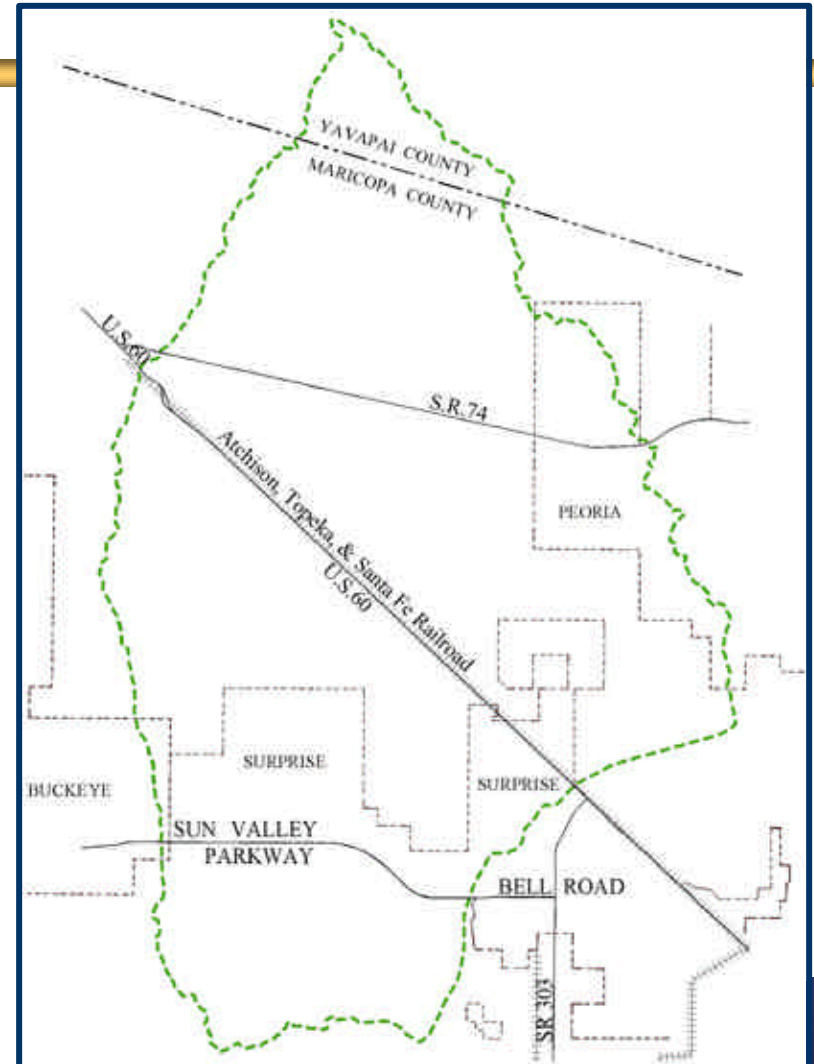
- Federal
- State
- County
- Private





Significant Issues

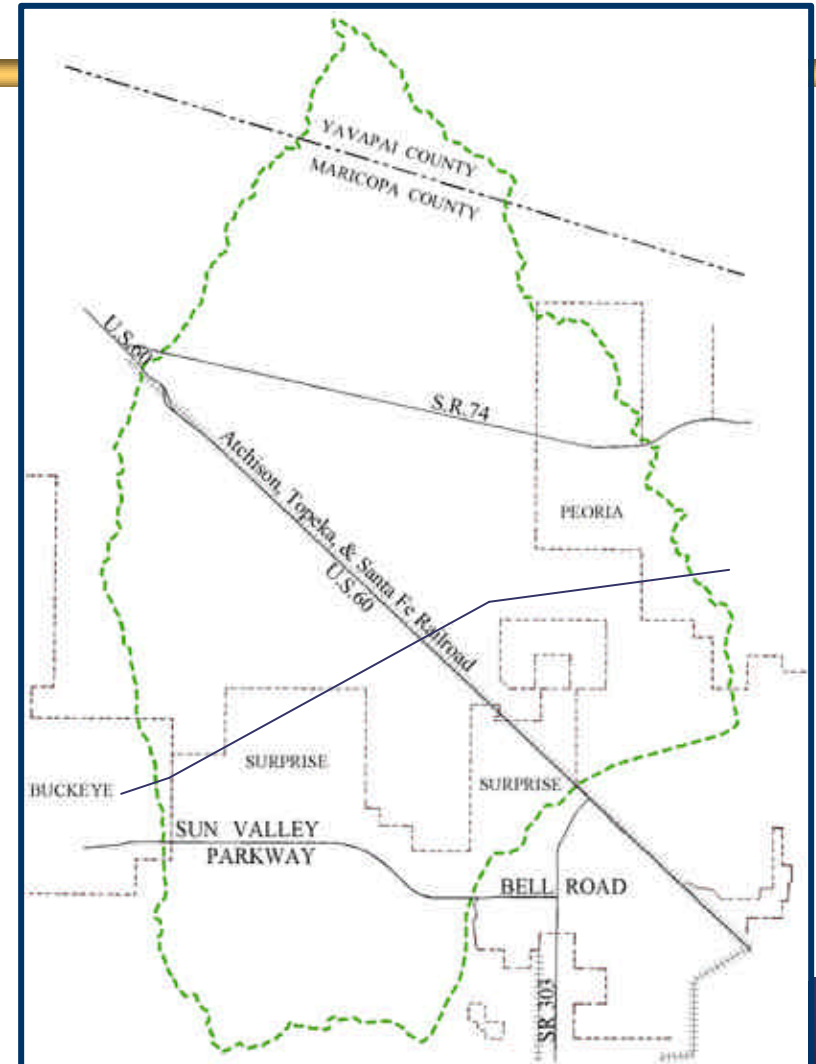
- **State Route 74**
- **U.S. 60/Grand Avenue**
- **BNSF Railway**
- **Sun Valley Parkway**





Significant Issues

- State Route 303
- Central Arizona Project
- Maricopa County Trail Program

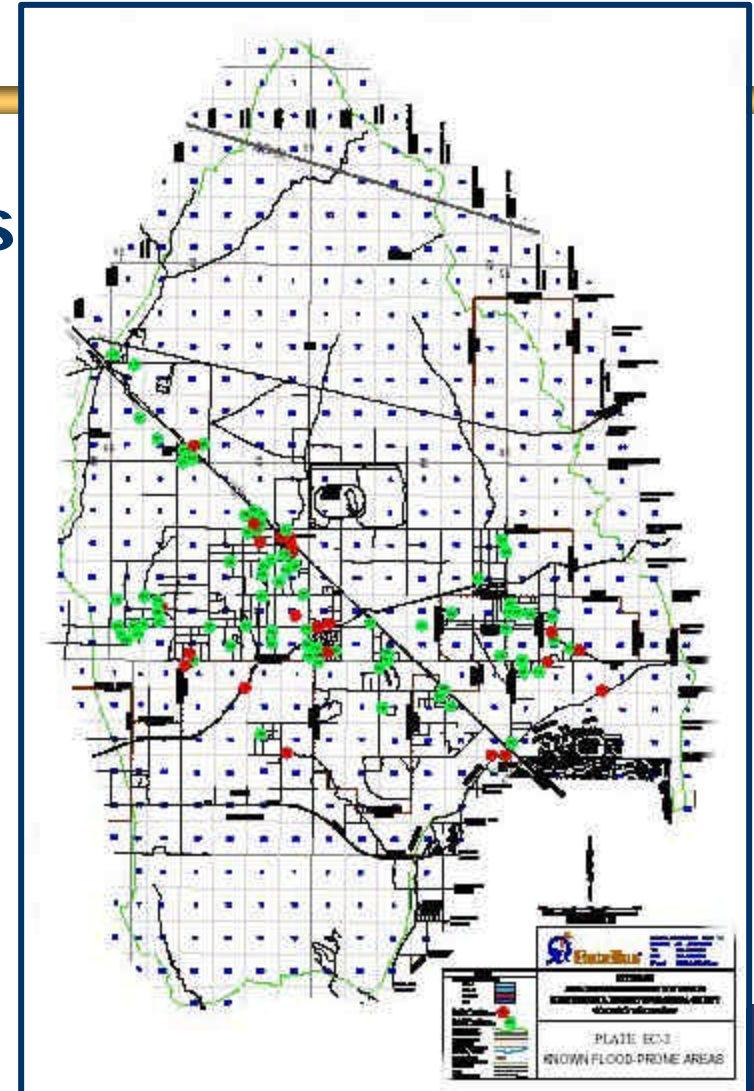




Significant Issues

Identified Flooding Areas

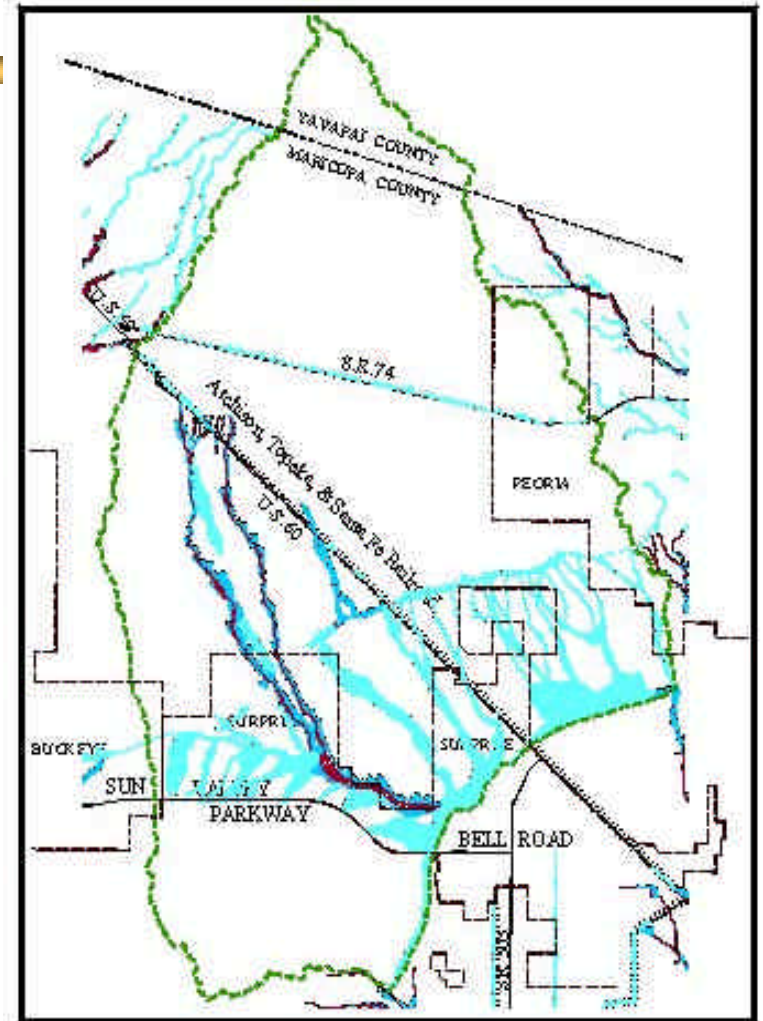
- Drainage
- Flash Floods
- Sheet Flow
- Ponding
- Low-Flow Crossings





Significant Issues

- Update Hydrology & Re-delineations
- New Delineations
 - Floodplain
 - Erosion Hazard Zones






Deliverables

- **Basin-wide Hydrology**
- **Comprehensive List of Flooding and Drainage Problems**
- **150 miles of Delineations**
- **McMicken Dam Alternatives**
- **Interim Rules of Development**





Schedule

	2003				2004				2005
TASK DESCRIPTION	1ST QTR	2ND QTR	3RD QTR	4TH QTR	1ST QTR	2ND QTR	3RD QTR	4TH QTR	
Collect Data									
Identify Flooding Hazards									
Technical Analysis									
Hydrology									
McMicken Dam									
Floodplain Delineation									
Rules of Development									
Stakeholder Coordination									
Public Involvement									
Recommendations									
 12 month FEMA review.									



Summary

- **Regional Solutions for ~300 Square Mile Area**
- **Focus on Rapidly Developing Areas**
- **Basis for Future ADMP**
- **Partnership Opportunities**





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